

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: July 1, 2002, 16:34:12 ; Search time 415.2 Seconds
(without alignments)
2573.472 Million cell updates/sec

Title: US-09-303-518D-651

Perfect score: 4350
Sequence: 1 atgaacaacacgcacaacg.....aattagctacgcctggttaa 4350

Scoring table: IDENTITY_NDC
Gapop 10.0 , Gapext 1.0

Searched: 38553 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1348	31.0	4319	4	US-08-296-791-1
2	1348	31.0	4319	5	PCR-US95-10661A-1
3	191.2	4.4	4899	6	US-08-210-535-5
4	191.2	4.4	4899	6	5268270-1
5	61.4	1.4	7218	1	US-08-232-463-14
6	47.6	1.1	3469	2	US-08-728-323A-1
7	47.6	1.1	32207	4	US-08-770-379-20
8	47.6	1.1	32207	4	US-08-757-669A-20
9	47.6	1.1	32207	4	US-09-230-371A-20
10	43.8	1.0	4403765	4	US-09-103-840A-2
11	43.8	1.0	441529	4	US-09-103-840A-2
12	42.2	1.0	400	4	US-09-056-556-179
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16	40.8	0.9	289	4	US-09-244-796-17
17	39.2	0.9	1439	4	US-09-056-556-167
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19	39.2	0.9	2408	2	US-08-922-182-1
20	39.2	0.9	2408	2	US-08-919-953-1
21	39.2	0.9	2408	2	US-09-192-983-1
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23	39.2	0.9	5975	1	US-08-920-827-23
24	39.2	0.9	5975	1	US-08-921-177-23
25	39.2	0.9	5975	1	US-08-362-577C-23
26	39.2	0.9	5975	2	US-08-920-828-23
27	38.6	0.9	1957	1	US-08-295-060-3
28	38.6	0.9	4008	3	US-08-307-896-5
29	38.6	0.9	4008	3	US-08-726-214-3
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42	37.8	0.9	1791	2	US-08-961-240-3
43	37.8	0.9	1791	2	US-08-605-501-3
44	37.8	0.9	1931	2	US-09-130-114-2
45	37.8	0.9	2056	1	US-08-399-646-13
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54	37.2	0.9	943	1	US-08-117-121-29
55	36.8	0.8	732	3	US-08-997-897-7
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58	36.6	0.8	1838	3	US-08-471-491-7
59	36.6	0.8	1838	3	US-08-466-662-7
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71	36.4	0.8	985	4	US-09-056-556-182
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73	36.4	0.8	3132	2	US-08-224-482-3
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[illegible]

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Oy 4345 tggtaa 4350
Db 4239 TGGTAA 4244

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RESULT 2

PCT-US95-10661A-1

Sequence 1, Application PC/TUS9510661A

GENERAL INFORMATION:

APPLICANT: Washington University, et al.

TITLE OF INVENTION: Haemophilus Adherence and Penetration Protein

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
 STREET: 4 Embarcadero Center, Suite 3400
 CITY: San Francisco
 STATE: California
 COUNTRY: United States
 ZIP: 94111-4187

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10661A
FILING DATE: 16-AUG-1995
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/296,791
FILING DATE: 25-AUG-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Treacell, Richard F.
REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: FP-59941/RET
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4319 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 60..4241
PCT-US95-10661A-1

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Query Match 31.0%; Score 1348; DB 5; Length 4319;
 Best Local Similarity 59.0%; Pred. No. 0; Mismatches 1565; Indels 210; Gaps 9;
 Matches 2551; Conservative 0;

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Db 141 ACTAATTTTGGATGATGATTAATATATGATGATTTTCCGAGATTAAGGAAAGTTC 200
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Oy 253 atgcaaaagcccgatgatatttcttcgttgctgcgctgaaagcgctgagcgatcg 312
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QY	1513	caactgaatgcgataatcgttcaaccccgcaaaacttatitcggttgcgcgcga	1571
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QY	1573	cgtttgatttlaaacggcacttgcgttctgttccacgcgtatccaataatcagatgaagg	1631
Db	1569	CGCTTAATCTTAAACGGCGCTTTCATTAACTTTAAACGTATCCAAATAACGACAGGGG	1621
QY	1633	ggcgtatctgncatacctaagtcacacaacaacatccacggttaccattacagtgatga	1691
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Qy	1813	taccagccgcgcgcgaagaacgcaccccnngctgcgtcttcgcgcgaacaaattlaaacgcgc	1872
Db	1809	TATAAACCAACCAACGACAGATGCTACTTGTCTACTTTCAGGTGACAAATTTAAAGGC	1866
Qy	1873	aacatacgcacaacaaacgycaaactgttlttcacgcgcagacccagacgcgcgcctac	1933
Db	1869	GATATTAACCCAAAACAAAAGGTAACTATTATTTTCAGCGGTAGACGCACACGCGACGCTAC	1928
Qy	1933	aatcatttaggaagcgggtggtgcacaaatgtgaagtatcccaagaagagaatcgtgtg	1992
Db	1929	AATCATTTAAATTAACGTTGGTCAGAAATGTGAAGGTATACCAAGCGCAAAATGTGTGG	1988
Qy	1993	gacacgcactgcatcmaccgcagctttaaagcggaaattccatalatacagggcgggcag	2052
Db	1989	GATCACGAGTTGGATACCGGTACATTTAACTTAAACCTTCAAACTTCAAAATTAAGCGGAGT	2048
Qy	2053	ggcgtgattccgcgaatggttcgaagaatggaagcgattgnaattgagcaatacagcc	2112
Db	2049	GGCGTGTGTTCTTCGCAATGTTTCTTCATTTGAGGAAATTTGACAGCTCAGCAATATGCA	2108
Qy	2113	caagcagtttltgtgtgcacgcacatcaaaagcatalcaactgtaacgcttcgcagctg	2172
Db	2109	AATGCACATTTGGTGTGTGTCGCAATACCAAAATATCAATTTTGACAGCGGTTCAAGTTGG	2168
Qy	2173	acmgctctgcacaatctgtctgaanaaancattacgcagataagtgattgcttcattg	2232
Db	2169	ACGCGGTTTAACGACTTGTTCAAAAAGTGAGATTAAACCATTAACAAAGCTTATTAATCTATA	2228
Qy	2233	actaagaacmgacnthaagcgcantgtnaagctmccatnhaagcgnthntnaaancn	2292
Db	2229	CCAAAAACAACAATCAATGCGTCTATTAAATTAAGTATATATACAAAGCGCAATGTATA	2288
Qy	2293	ggcgntgcmcaacthaannggcgaatcctagtgcgaatggcgataacgltatacagtcagc	2352
Db	2289	GGTTTAGCAAAACTTAAGGCAATGTCACTTTAACAATACACAGCCAAATTTACATTAAAGC	2348
Qy	2353	cacaaacgcaccccaaaacgcgcgaactctagctcgttggtgcattgcccagaacacttaat	2412
Db	2349	AACAAATGCGACCCAAATATGAGCAATATTCG-----	2377
Qy	2413	caagccaattaaacgcgaacnactcgnnttcgggcgaatgctcatltaactlaagcaac	2472
Db	2378	-----	2377
Qy	2473	aacgcgcgaacaaacgcgactcgtcagcgttcgcgaacgcgtlaagcgaacgaatgaacat	2532
Db	2378	-----ACTTTCGCAAAATTCAACTGCAACGGGTGATTAAT	2411
Qy	2533	tccgcactcaacgycgaatgtctctccctagccgaataagcgagiatlccattltggaacacgc	2592
Db	2412	GCAAACTTGAAACGGTATGTGCAATTAACGATTCAGTCAATTTCTTTAAAAAACGAC	2471
Qy	2593	cgctctaccgcgaacccacgcgcgcgcgcgaaganaacagcatcacttaaaagacgcga	2652
Db	2472	CATTTTGTGCACCAAAATTTCAAGGAGACAAAGGACACAAAGTACGCTTGGAATAAGCGACT	2531
Qy	2653	tgaagctgcgcgtcgaagcaaggaattagcaaatlaaacttgaacgaagcgaacattaca	2712
Db	2532	TGGACAAATGCGCTACGATACTACATTGCAAGATTTTAGCCTTAATTAACATGACATCAGC	2591
Qy	2713	ctcaacttcgcctatcgcgaagctgtcgaagcgcgcaaacccgagngtlytcagacag	2772
Db	2592	TTAAATTCAGGTTATTT-----CAGCTAGCTCAAAACATTAACG	2627
Qy	2773	ccgcgcgcgcgttcgcgcgtctccctattatccgttaacccgcaacttgcgtgataac	2832
Db	2628	CCAGC-----TCCGCTTCAATTATAGAGACGAAPCAACGCCCAACATCTGCGCACAT	2678
Qy	2833	cglttcacacgcgtgcaggttaaacgcgcgaattgaacngtcaaggaacattccgcttata	2892


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? TELECOMMUNICATION INFORMATION
? TELEPHONE: (212) 688-9200
? TELEFAX: (212) 838-3884
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 4899 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA
?
? US-08-10-535-5

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Query Match	4.48;	Score 191.2;	DB 2;	Length 4899;
Best Local Similarity	60.38;	Pred. No. 4e-42;		
Matches 332;	Conservative 0;	Mismatches 216;	Indels 3;	Gaps 1.

QY	1161	ttttatgattgaacgacgagcgaactcatctatcaacaacatcaacaacgagcggg	1220
Db	1207	TGTTACTCTTGAAGACACAGCGCACTTTGGATTGATTGAATCAAAACATCAACACAGCGCGGG	1266
QY	1221	cggttgtagtatttgaaggtagatttaacggtctcgcctgcaaaaacacga---aacgtgca	1277
Db	1267	CGGGCTGTCTTTTTCAAAGGCGATTACACAGTTCAAAGGCGCAAAATATATGACATCATTGGTT	1326
QY	1278	aggcgcgggcggttcatacatcagbgaagacagtaacgcttactctggaagtaaacgcygvc	1337
Db	1327	AGGTGGCGGGGATTGATGTGCGCGACGGCAAAAAGTCGTTTGGCAAGTCAAAAATCCGAA	1386
QY	1338	aaacgacgcgcgtcccaaatcgccaaagcagcgcgtccagcgttcaagcgaaggggaaa	1397
Db	1387	TGGGACACAGTTGGCAAAAATCGGCAAAAGGCATTTGGAAATTAACGGCACAGGGCTTAA	1446
QY	1398	ccaagcctcgatcagcgtgcyggcgagcgtacagtcatttggatccagcagcgagacgataa	1457
Db	1447	CCAAAGGCAATTAAAGTGGCGGACGAGTACGGTATTTCGATTGAATCAAAAAGCGATGCCGA	1506
QY	1458	aggcacaataaacgaccttagtgaatcgatcgcttgntcaagcggcagggtaacgtgacaat	1517
Db	1507	CAAAABAGTTCAAGGCTTCTCCCAATCGGCAATTCAGACGGCACCGGTACATTGTTAT	1566
QY	1518	gaatgcgataatcagatccaaccccgacaaactcatttcgttcgcttgcgcgagcgtt	1577
Db	1567	AATTAATTCAAAATCAGATTAAATCCGATTAACCTAATTAATTCGTTCCGTGCGGTCGTTT	1626
QY	1578	ggaatttaaacggygcatctgcttgcgttccacggtattcaaaatacagcgtgaaggcgcat	1637
Db	1627	GGATGCGCAATGGGAATGACTTGACTTTGGAACACATCCGCAACGTGGATGAAGCGCGCG	1686
QY	1638	gattgcnatcatatcattgcacacaacaacatccacgcgtttacattacagggaaatgaaglat	1697
Db	1687	CATTGCAACACACACACAGACCGAGCCCTCCACATTCACACTACAGGGTAATCTTTAAT	1746
QY	1698	tacaacaacga 1708	
Db	1747	TACCAATCCGA 1757	

```

RESULT 4
5268270-1
; Patent No. 5268270
; APPLICANT: Meyer, Thomas F.; Halter, Roman; Pohlnar, Johannes
; TITLE OF INVENTION: PROCESS FOR PRODUCING PROTEINS USING GRAM
; ; NEGATIVE HOST CELLS
; ; NUMBER OF SEQUENCES: 6
; ; CURRENT APPLICATION DATA:
; ; APPLICATION NUMBER: US/07/471,872
; ; FILING DATE: 01-JUL-1987
; ; SEQ ID NO:1:
; ; LENGTH: 4899
5268270-1

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Query Match	4.4%	Score 191.2;	DB 6;	Length 4899;
Best Local Similarity	60.3%;	Pred. No. 4e-42;		
Matches 332; Conservative	0;	Mismatches 216;	Indels 3;	Gaps 1

QY	1161	ttttatcgattacggcaacgggcaaacccattatcaaaacacatcaacgaagcgcg	1220
Db	1207	tgtaccccttgaagacaacgacacttgtgtattgtaatcaaacatacaccgaagcgcg	1266
QY	1221	cggtttgcattttgaagaagtgattttaagctgcctgcctcgtaaaacaga--aacgtgca	1277
Db	1267	cggccctgttttccaagcgattacacaaacgaagcgcaaatatgatcatcacttggt	1326
QY	1278	aggcgcgggcgcttataatcagttgaagaacgtaccgttacttggaaagtaacgcgctgc	1337
Db	1337	aggtgcgggagattgattgttcgcgacgcgcaaaaaagtcgtttgccaagctcaaaaatccgaa	1386
QY	1338	aaacgcacgcgcctgcgcaaatctgcgaagcgacgcgcacgttcgaagccaagaaggggaaa	1397
Db	1387	tgcgcacgcgatttgcgaaaaatcgcgcgaagcacttctggaaataaagcgacacgcgttaa	1448
QY	1398	ccaaagcgcctgcatacgcgttcgacgcaggtacagtcatttggatacagcaagcagacgtaaa	1457
Db	1447	ccaaagcgcaattaaagttcgcgcagcgttaagcttccatgcatacaaaaagccgactgcga	1506
QY	1458	aggcaaaaacaacagcccttctgtgaatctgcgtctgntcagcgcgcaggggtgaagctgaac	1517
Db	1507	caaaaagcttcaagcttctcccaagctgcgcattgttcacgcgcgaacgcgttacttggatt	1566
QY	1518	gaatgcgcgaataatcagttcacaccgcgcgaacacactctatcttcgcgttcgcgcgcagctt	1577
Db	1567	aaatagttccaatatcagttacgttaaccgcgataaccatactatcttcggttcgcgtgcgctt	1626
QY	1578	ggatttaaaagcgcatcgcgttctcgttccacgcgttatcaaaaataccogataagggcgat	1637
Db	1627	ggatgcgcaatgcgcaatgcgacttgactcttgcacacatccgcgaacgctgtagaagggcgcg	1686
QY	1638	gatttgcnatcataatgtccacaacaacacacacacgcgttaccattacgaaggaatgaagat	1697
Db	1687	catgttcaacccaacacacagacacgcgcctccacaatcacacacaaagggtaaatcttcat	1746
QY	1698	tacacaaacgga	1708
Db	1747	taccaatccga	1757

RESULT 5
 US-08-332-463-14/c
 Sequence 14, Application US/0832463
 Patent No. 5670367
 GENERAL INFORMATION:
 APPLICANT: DORNER, F.
 APPLICANT: SCHEFFLINER, F.
 APPLICANT: FALKNER, F. G.
 TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 NUMBER OF SEQUENCES: 52
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Foley & Lardner
 STREET: 1800 Diagonal Road, Suite 500
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22313-0299
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/332,463
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION NUMBER: US/07/935,313

Accession	Sequence	Position
Db	AGCAGCAGAGAGCCACACAGCAGAGCCACAGCAGAGGAGCCACAGCAGCAGAGAGCCAC	1603
QY	ggcagcgagggcgctcggcgcctcgttttcgcataacccggaaccgaataacnctcgagac	3771
Db	AGCAGCAGAGAGCCACAGCAGCAGAGAGCCACAGAGCAGAGAGAGCCACAGCAGCAGAGCCAC	1604
QY	ggcatcggcgaactcgcgaacggtttgccacacggcgccggttttcggcatacagcgcgcgc	3772
Db	AGCAGCGCGGAGCCCCACAGCAGCGGAGCCACACAGCGGAGGCCACAGCAGCGGAGGCCAC	1664
QY	aggttcacacatcgcatcagcaacgagggcggggttttagagagggcamctnhtacagcgc	3832
Db	AGCAGCGGAGCCACAGCAGAGCGGAGCCACAGCAGCGGAGGCCACAGCAGCGGAGGCCAC	1724
QY	atcgagagcgaataatccgcgcgcgcgtg	3918
Db	AGCAGCAGAGATGAGCAGCAGCAGAGATG	1810

RESULT 7

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US-08-770-379-20/c
: Sequence 30, Application US/08770379
: Patent No. 5849564
: GENERAL INFORMATION:
: APPLICANT: Chang, Yuan
: APPLICANT: Bohenzky, Roy A.
: APPLICANT: Russo, James J.
: APPLICANT: Edelman, Isidore S.
: APPLICANT: Moore, Patrick S.
: TITLE OF INVENTION: POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED
: TITLE OF INVENTION: HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF
: NUMBER OF SEQUENCES: 20
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Cooper & Dunham LLP
: STREET: 1185 Avenue of the Americas
: CITY: New York
: STATE: New York
: COUNTRY: U.S.A.
: ZIP: 10036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/770, 379
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: White, John P.
: REGISTRATION NUMBER: 28,678
: REFERENCE/DOCKET NUMBER: 52342
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 278-0400
: TELEFAX: (212) 278-0525
: INFORMATION FOR SEQ ID NO: 20:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 32207 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-770-379-20

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Query Match	1.1%	Score 47.6	DB 2	Length 32207
Best Local Similarity	42.4%	Pred. No	0.015	
Matches 342	Conservative	0	Mismatches 460	Indels 5
				Gaps 2
QY 3112	aaagacgcgcgaatttcgcctcgatataatccgctcaagaacagagcttcgcgaacaactc	3171		
Dp 20988	ACAGATGACGACGACGACGACGAGATACGACGAGGATGACGACGAGGATGACGACGAGGAT	20929		

[illegible]

RESULT 8

US-08-757-669A-20/c
 : Sequence 20, Application US/08757669A
 : Patent No. 6183751
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Chang, YUAN
 :
 : APPLICANT: Bonenzky, Roy A.
 :
 : APPLICANT: Russo, James J.
 :
 : APPLICANT: Edelman, Isidore S.
 :
 : APPLICANT: Moore, Patrick S.
 :
 : TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
 :
 : TITLE OF INVENTION: SEQUENCES AND USES THEREOF
 :
 : NUMBER OF SEQUENCES: 20
 :
 : CORRESPONDENCE ADDRESS:
 :
 : ADDRESSEE: Cooper & Dunham LLP
 :
 : STREET: 1185 Avenue of the Americas
 :
 : CITY: New York
 :
 : STATE: New York
 :
 : COUNTRY: U.S.A.

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ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,669A
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 45185-F
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 32207 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-669A-20

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Query Match      1.1%; Score 47.6; DB 4; Length 32207;
Best Local Similarity 42.4%; Pred. No. 0.015;
Matches 342; Conservative 0; Mismatches 460; Indels 5; Gaps 2;

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QY 3112 aaagcggcgagttccgctgcataatccggtcacaagaacagcgttccgacaactc 3171
DB 20988 ACAGATGAGGAGGAGGAGGAGGAGGATGACGAGGAGGATGACGAGGAGGAGGAT 20929
QY 3172 ggcaggcgagagcccaaaaacagcggaagaaacagcgcaagccttgaagcgctg 3231
DB 20928 GACGAGGAGGATGACGAGGAGGATGACGAGGAGGATGACGAGGAGGAGGAGGAG 20872
QY 3232 attcgccggcgagcgatccgcccgaagaagcagcgttccgaaacggccggcgng 3291
DB 20871 GATGACGAGGAGGATGACGAGGAGGATGACGAGGAGGAGGAGGAGGAGGAGGAG 20812
QY 3292 gcaagcgaggaaatgtcgcattatgcagcgaggaagaaacagcggttgcagcg 3351
DB 20811 GAGGAGGAGGAGGAGGAGGAGGAGGAGGATGACGATGATGAGGAGGAGGAGGAGG 20752
QY 3352 gataaagcagcgnttgcggaacagcgcggaagccggcgcgnttaccagcgcc 3411
DB 20751 GATGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 20692
QY 3412 ttcccccggcccgngcgcccgcggttgcgcaacgcagcccaaccgcaact 3471
DB 20691 TTGAGCATCCAAAGTTTCACAAACGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20632
QY 3472 caaccacaacgcagcgacgtatnagccgttattgcgaatagcggttgaagtaatt 3531
DB 20631 GAGCCACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20574
QY 3532 tccgcaacgctcaacagcggttgcgcaataggaagcaatttgcagcggttgcgaa 3591
DB 20573 AGCCACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 20514
QY 3592 gaccgcgcgaagcngtttggacaagcngatccgnaacacaaacactacggttcgaa 3651
DB 20513 CCTTGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20454
QY 3652 gattccgcgcctacgcgaacaaacgacgttgcgcaaatcggttgcgaagaaactc 3711
DB 20453 AGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20394
QY 3712 ggcagcgggcgctcgcagctcgttgcgacaacgcgaagcaaacncttcgaagac 3771

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DB 20393 AGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20334
QY 3772 ggcagcggaactcggaacggttcccaacgagcgccggttgcgcaatagcggttcgac 3831
DB 20333 AGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20274
QY 3832 aggttcagatcgccatcgcaacgagcggttgcgcaatagcggttgcgcaatagcggttc 3891
DB 20273 AGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20214
QY 3892 atcgagcgcaaatccgcccgcgctg 3918
DB 20213 AGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20187

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RESULT 9
US-09-230-371A-20/C
Sequence 20, Application US/09230371A
Patent No. 6348586
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bozenky, Roy A
APPLICANT: Russo, James J
APPLICANT: Eelman, Isidore S
APPLICANT: Moore, Patrick S
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
FILE REFERENCE: 45185-G-PCT-US
CURRENT FILING DATE: 1999-11-17
CURRENT APPLICATION NUMBER: US/09/230,371A
PRIOR FILING DATE: 1997-07-22
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 20
LENGTH: 32207
TYPE: DNA
ORANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

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Query Match      1.1%; Score 47.6; DB 4; Length 32207;
Best Local Similarity 42.4%; Pred. No. 0.015;
Matches 342; Conservative 0; Mismatches 460; Indels 5; Gaps 2;

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QY 3112 aaagcggcgagttccgctgcataatccggtcacaagaacagcgttccgacaactc 3171
DB 20988 ACAGATGAGGAGGAGGAGGAGGAGGATGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20929
QY 3172 ggcaggcgagagcccaaaaacagcggaagaaacagcgcaagccttgaagcgctg 3231
DB 20928 GACGAGGAGGATGACGAGGAGGAGGATGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20872
QY 3232 attcgccggcgagcgatccgcccgaagaagcagcgttccgaaacggccggcgng 3291
DB 20871 GATGACGAGGAGGATGACGAGGAGGAGGATGACGAGGAGGAGGAGGAGGAGGAGGAGGAG 20812
QY 3292 gcaagcgaggaaatgtcgcattatgcagcgaggaagaaacagcggttgcagcg 3351
DB 20811 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20752
QY 3352 gataaagcagcgnttgcggaacagcgcggaagccggcgcgnttaccagcgcc 3411
DB 20751 GATGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20692
QY 3412 ttcccccggcccgngcgcccgcggttgcgcaacgcagcccaaccgcaact 3471
DB 20691 TTGAGCATCCAAAGTTTCACAAACGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20632
QY 3472 caaccacaacgcagcgacgtatnagccgttattgcgaatagcggttgaagtaatt 3531
DB 20631 GAGCCACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 20574

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QY	3532	tcgcgcagctcaaacagcgcttttcgcgtaacggagacgaatttgacgcgcggttttcgcga	3591
Dp	20573	AGCCACAGCAGCAGGAGGCCCTTCAGAGGCCCAACACAGCAGGAGCCACACAGCAGAGGC	20514
QY	3592	gaccgcgcgaacgcmgtttgacaagcmgaatcccgmacacccaacactacggttcgaa	3651
Dp	20513	CCCTGCAGAGCCACAACACAGCAGGAGCCACAACACAGCAGGAGCCACACAGCAGGAGCCAC	20454
QY	3652	gatttcgcgcctaccgcgaacaaacgacgtcgcgaatcgttatcgtaagaaacctc	3711
Dp	20453	AGCAGCAGGAGCCACAGCAGCAGGAGCCACACAGCAGCAGGAGCCACACAGCAGGAGCCAC	20394
QY	3712	gcgcgcgcgcgcgttcggaatcctcgttttcgcgaacacgcgagcgaacaaacncttcagagc	3771
Dp	20393	AGCAGCAGGAGCCACACAGCAGCAGGAGCCACACAGCAGCAGGAGCCACACAGCAGGAGCCAC	20334
QY	3772	ggaatcggaactcgcgaacgcgttcgcgaacgcgcgcttttcggaatcgcgcacatcgcgc	3831
Dp	20333	AGCAGCGGGAGGCCACAGCAGCGGGAGCCACACAGCAGCGGGAGCCACACAGCAGCGGGAGCCAC	20274
QY	3832	aggttcgaatcgcgaatcgaacgcgcgcgcgcggttttagcgcgcgcantctntaagacgcgc	3891
Dp	20273	AGCAGCGGGAGCCACACAGCAGCGGGAGCCACACAGCAGCGGGAGCCACACAGCAGCGGGAGCCAC	20214
QY	3892	atcgcgcgcaaatcgcgcgcgcgcgtg	3918
Dp	20213	AGCAGCAGGAGTGAAGCAGCAGCAGGAGTG	20187

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RESULT 10
US-09-103-840A-2
Sequence 2 Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

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Query Match	1.08;	Score 43.8;	DB 4;	Length 4403765;
Best Local Similarity	43.08;	Pred. No. 1.9;		
Matches 205; Conservative	0;	Mismatches 272;	Indels 0;	Gaps 0;

[illegible][illegible]

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RESULT 11
US-09-103-840A-1
: Sequence 1, Application US/09103840A
: Patent No. 6294328
: GENERAL INFORMATION:
: APPLICANT: FLEISCHMAN, Robert D.
: APPLICANT: WHITE, Owen R.
: APPLICANT: FRASER, Claire M.
: APPLICANT: VENTER, John C.
: TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
: TITLE OF INVENTION: TUBERCULOSIS
: FILE REFERENCE: 24366-20007.00
: CURRENT APPLICATION NUMBER: US/09/103,840A
: CURRENT FILING DATE: 1998-06-24
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: Patentln Ver. 2.1
: SEQ ID NO. 1
: LENGTH: 4411529
: TYPE: DNA
: ORGANISM: Mycobacterium tuberculosis
: OTHER INFORMATION: H37Rv
: US-09-103-840A-1

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Query Match	1.08;	Score 43.8;	DB 4;	Length 4411529;
Best Local Similarity	46.38;	Pred. No. 1.9;		
Matches 174; Conservative	0;	Mismatches 199;	Indels 3;	Gaps 11;

[illegible]

ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/922.182
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/608,241
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.93511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2408 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Rhodobacter sphaeroides
STRAIN: 2.4.1
FEATURE:
NAME/KEY: -35_signal
LOCATION: 262..267
FEATURE:
NAME/KEY: -10_signal
LOCATION: 285..290
FEATURE:
NAME/KEY: CDS
LOCATION: 346..1476
OTHER INFORMATION: /product= "Adhi Class III Alcohol
OTHER INFORMATION: Dehydrogenase Gene"
US-08-922-182-1

Query Match 0.9%; Score 39.2; DB 2; Length 2408;
Best Local Similarity 49.7%; Pred. No. 0.83;
Matches 98; Conservative 0; Mismatches 99; Indels 0; Gaps 0;
QY 3662 cctacgcgaacaacacgcagctgcccgaatcgtagcagaanaacccgcgcagcgggc 3721
DB 767 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCACACCGCATCGCGCGGATCGCC 826
QY 3722 ggcgtgcgcatcctggtttgcacaacgcgcgaanaacnctgcagcagcgcatcgca 3781
DB 827 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCACACCGCATCGCGCGGATCGCC 886
QY 3782 actgcgcaagcgttgcgcagcgcgcggttttggcgaataagcgatcgcaagttcgaca 3841
DB 887 ACACGGCCAAAGTTCGAGATCGGCGCCCAAGGCCGTGGTGTTCGGGCTGGGCGGATCGGTC 946
QY 3842 tcggcgcagcagcagcgc 3858
DB 947 TCAACGTGATCCAGGCG 963

RESULT 20
US-08-919-953-1
; Sequence 1, Application US/08919953

Patent No. 5837481
GENERAL INFORMATION:
APPLICANT: Donohue, Timothy J
APPLICANT: Barber, Robert D
APPLICANT: Wiltbuhn, Vernon
TITLE OF INVENTION: MICROBIAL SYSTEM FOR FORMALDEHYDE
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/919.953
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/608,241
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.93511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2408 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Rhodobacter sphaeroides
STRAIN: 2.4.1
FEATURE:
NAME/KEY: -35_signal
LOCATION: 262..267
FEATURE:
NAME/KEY: -10_signal
LOCATION: 285..290
FEATURE:
NAME/KEY: CDS
LOCATION: 346..1476
OTHER INFORMATION: /product= "Adhi Class III Alcohol
OTHER INFORMATION: Dehydrogenase Gene"
US-08-919-953-1

Query Match 0.9%; Score 39.2; DB 2; Length 2408;
Best Local Similarity 49.7%; Pred. No. 0.83;
Matches 98; Conservative 0; Mismatches 99; Indels 0; Gaps 0;
QY 3662 cctacgcgaacaacacgcagctgcccgaatcgtagcagaanaacccgcgcagcgggc 3721
DB 767 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCACACCGCATCGCGCGGATCGCC 826
QY 3722 ggcgtgcgcatcctggtttgcacaacgcgcgaanaacnctgcagcagcgcatcgca 3781
DB 827 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCACACCGCATCGCGCGGATCGCC 886
QY 3782 actgcgcaagcgttgcgcagcgcgcggttttggcgaataagcgatcgcaagttcgaca 3841
DB 887 ACACGGCCAAAGTTCGAGATCGGCGCCCAAGGCCGTGGTGTTCGGGCTGGGCGGATCGGTC 946


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COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/920,827
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rin-Laures, Li-Hsien
REGISTRATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 5975 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORGANISM: Klebsiella pneumoniae
STRAIN: Clinical Isolate KI-50
US-08-920-827-23

Query Match          0.9%; Score 39.2; DB 1; Length 5975;
Best Local Similarity 55.2%; Pred. No. 1.3;
Matches 74; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3855 gggcgcggttttagcagcgagcancnttcagacgcatcgagagcaaatccgcgcgcg 3914
    || || || || || || || || || || || || || || || || || || || || ||
DB 20 GGGCGCGGGATTATCGGCGTCAACGCTATCGCGCGCATCGCGGACCATCATCGCCGG 79

QY 3915 cgtgctcattacggcattcagcagatccgcgcggttcggcgattcgagatcga 3974
    || || || || || || || || || || || || || || || || || || || || ||
DB 80 CATGCTCTCCGCGCCGCTTTTCAACGCAACCGCAGCGTGATGCGCGGATTCTACGCGT 139

QY 3975 accgtacatcgcg 3988
    || || || || || || || || || || || || || || || || || || || || ||
DB 140 GCTGAACACCGCG 153

RESULT 24
US-08-921-177-23
; Sequence 23, Application US/08921177
; Patent No. 5798211
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotsugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/921,177
FILING DATE: 29-AUG-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/362,577
FILING DATE: 27-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rin-Laures, Li-Hsien
REGISTRATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 19036/32420
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 5975 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: Klebsiella pneumoniae
STRAIN: Clinical Isolate KI-50
US-08-921-177-23
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Query Match          0.9%; Score 39.2; DB 1; Length 5975;
Best Local Similarity 55.2%; Pred. No. 1.3;
Matches 74; Conservative 0; Mismatches 60; Indels 0; Gaps 0;
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QY 3855 gggcgcggttttagcagcgagcancnttcagacgcatcgagagcaaatccgcgcgcg 3914
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DB 20 GGGCGCGGGATTATCGGCGTCAACGCTATCGCGCGCATCGCGGACCATCATCGCCGG 79

QY 3915 cgtgctcattacggcattcagcagatccgcgcggttcggcgattcgagatcga 3974
    || || || || || || || || || || || || || || || || || || || || ||
DB 80 CATGCTCTCCGCGCCGCTTTTCAACGCAACCGCAGCGTGATGCGCGGATTCTACGCGT 139

QY 3975 accgtacatcgcg 3988
    || || || || || || || || || || || || || || || || || || || || ||
DB 140 GCTGAACACCGCG 153
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RESULT 25
US-08-362-577C-23
; Sequence 23, Application US/08362577C
; Patent No. 5807673
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotsugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/362,577C
; FILING DATE: 27-MAR-1995
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RESULT 34524B-12/c
 US-08-737-524B-12/c
 : Sequence 12, Application US/08737524B
 : Patent No. 5912414
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: CARL SAVERIO PALCO
 :
 : APPLICANT: DOMINICK ANTHONY GUIDA, JR.
 : APPLICANT: MARY ELIZABETH HARNETT LOCKE
 : TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS, CHIMERIC
 : TITLE OF INVENTION: GENES AND METHODS FOR INCREASING
 : TITLE OF INVENTION: THE METHIONINE CONTENT OF THE SEEDS
 : TITLE OF INVENTION: OF PLANTS
 : NUMBER OF SEQUENCES: 27
 :
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
 : STREET: 1007 MARKET STREET
 : CITY: WILMINGTON
 : STATE: DELAWARE

Query Match	0.98;	Score 38.2;	DB 2;	Length 639;
Best Local Similarity	46.28;	Pred. No. 0.8;		
Matches 121;	Conservative	0;	Mismatches 141;	Indels 0;
				Gaps 0;

ADDRESSEE: and Company
STREET: 1007 Market Street
CITY: Wilmington
STATE: Delaware
COUNTRY: U.S.A.
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,1.0MB
COMPUTER: Macintosh
OPERATING SYSTEM: Macintosh System, 6.0
SOFTWARE: Microsoft Word, 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/419,075
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/098,371
FILING DATE:
APPLICATION NUMBER: 07/656,687
FILING DATE: 14-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Linda Axamethy Floyd
REGISTRATION NUMBER: 33,692
REFERENCE/DOCKET NUMBER: BB-1027-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (302) 992-4929
TELEFAX: (302) 892-7949
TELEX: 835420
INFORMATION FOR SEQ. ID NO.: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 639 nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: in vitro mutated genomic
PUBLICATION INFORMATION: unpublished
PUBLICATION INFORMATION: sequence
US-08-419-075-2

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Query Match      0.9%; Score 38.2; DB 2; Length 639;
Best Local Similarity 46.2%; Pred. No.0.8; Mismatches 141; Indels 0; Gaps 0
Matches 121; Conservative
QY   3676 accgacctgcgccaaatcggatcgatatcgagaanaaacctcgacagcgaggccgttcgcatcctg 3735
      ||| | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    3682 ATCGTCATTGGTGAATACGACTTTGGCATCAATCATACTGCGGGGCATCACTAGCCATCGTC 323
QY   3736 ttctgcgaacaaccgagccggaanaacantctcgacagcacgatcgcaactcgacagcgtt 3795
      ||| | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    322 ATTGGTGACATCATNAGTCGCCACCACATCAATGATGGCATCATCTCGGCATCGGCATCATC 263
QY   3796 gccacagcgccgcgttttcgggcaatacgcgatcggtagtgtacatgsgataltaagcagc 3855
      ||| | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    262 GTCAATCGGTGGCATCAATACCCGGCATCATCATTTGGCATCTGGCACCTGTGAAGCGTAG 203
QY   3856 ggcgcgggttttacgcagcgcanlctnltcagacgcgatcgtagagaaaatccgcgcgcgc 3915
      ||| | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    202 GCCAACAATTCTCTGCACATCAGAAGGTGGCCAGCTAACAAATTGGCAACCCCCTGTTGC 143
QY   3916 gtgcctcaattacgycatcagc 3937
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Db    142 TTCAATGACGTAAGTCACTCAATCCAAG 121

RESULT 36
US-08-419-075-20/c
; Sequence 20, Application US/08419075
; Patent No. 593599
; GENERAL INFORMATION:
APPLICANT: Saverio C. Falco
APPLICANT: Chok-Fun Chui

```


Accession	Sequence	Position
Dd	ATTGTTGACATCTATAGTCGGACACCATCATTCAGTATGCGATCATCTCTGCGATGCGATCATC	1013
Qy	3796 gccaccagcgccgcgtttcttcgagcaatacggcagatcgcgaggttcgcacatcggcatcaagcgc	3855
Dd	1012 GTCATCGGTGGCATCATACCCGGCATCATCATCTGGCATCTGGCACTGCTGAAGCGGTGAG	953
Qy	3856 ggcgcgaggttttgcagcagcgagcattcgttaagcagcagcatcggagcaaaatccgcgcgcgc	3915
Dd	952 GCCAACAGTTGGCTGCACACATCAGAGGTGGCGCCACGCTACAAAGTTGGCAACCCCCGTTCG	893
Qy	3916 gtgcgtcatcagcgcatcagc 3937	
Dd	892 TTTCATGCAGTATGTCATTCATG 871	

RESULT 39
US-08-419-075-1/c
; Sequence 1, Application US/08419075
; Patent NO. 5939599

```

1  APPLICANT: Saverio C. Falco
2  APPLICANT: Chok-Fun Chui
3  APPLICANT: Janet A. Rice
4  TITLE OF INVENTION: A High Sulfur Seed
5  TITLE OF INVENTION: Protein Gene and
6  TITLE OF INVENTION: Method for Increasing
7  TITLE OF INVENTION: the Sulfur Amino Acid
8  TITLE OF INVENTION: Content of Plants
9  NUMBER OF SEQUENCES: 28
10 CORRESPONDENCE ADDRESS:
11 ADDRESSEE: E. I. du Pont de Nemours
12 ADDRESSEE: and Company
13 STREET: 1007 Market Street
14 CITY: Wilmington
15 STATE: Delaware
16 COUNTRY: U.S.A.
17 ZIP: 19898
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Diskette, 3.50 inch,1.0MB
20 COMPUTER: Macintosh
21 OPERATING SYSTEM: Macintosh System, 6.0
22 SOFTWARE: Microsoft Word, 4.0
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/08/419,075
25 FILING DATE:
26 CLASSIFICATION: 800
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: US/08/098,371
29 FILING DATE:
30 APPLICATION NUMBER: 07/656,687
31 FILING DATE: 14-FEB-1991
32 ATTORNEY/AGENT INFORMATION:
33 NAME: Linda Axamethy Floyd
34 REGISTRATION NUMBER: 33,692
35 REFERENCE/DOCKET NUMBER: BR-1027-A
36 TELECOMMUNICATION INFORMATION:
37 TELEPHONE: (302) 992-4929
38 TELEFAX: (302) 892-7949
39 TELEY: 835420
40 INFORMATION FOR SEQ ID NO: 1:
41 SEQUENCE CHARACTERISTICS:
42 LENGTH: 2123 nucleotides
43 TYPE: Nucleic Acid
44 STRANDEDNESS: single
45 TOPOLOGY: linear
46 MOLECULE TYPE: genomic DNA
47 HYPOTHETICAL: NO
48 ANTI-SENSE: NO
49 FRAGMENT TYPE:
50 ORIGINAL SOURCE:
51 ORGANISM: Zea mays L
52 STRAIN: unknown
53 CELL TYPE: unknown

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IMMEDIATE SOURCE:
LIBRARY: maize genomic library
LIBRARY: obtained from Clontech
CLONE: X8
POSITION IN GENOME: unknown
PUBLICATION INFORMATION: unpublished sequence
US-08-419-075-1

Query Match 0.9%; Score 38.2; DB 2; Length 2123;
Best Local Similarity 46.2%; Pred. No. 1.5;
Matches 121; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 3676 accgacgtcgcccaatcggtatcgagaacaccccgagcgccgctcgacccctg 3735
DB 1132 ATCGTCATTGGAATCATGCTTGGCATCATCATCGCGCATCATCATCGCATCCTC 1073
QY 3736 ttctgcacaaccgagcaaacacnttcgacgacgacgacgacgacgacgacg 3795
DB 1072 ATTGCTGACATCATATGTCGACCATCATCATCATCATCATCATCATCATCATC 1013
QY 3796 gccacggcgccgttttcgggcaatacgcgcgcgcgcgcgcgcgcgcgcgcgc 3855
DB 1012 GTCATCGGTGGCATCATCCGGCATCATCATCATCATCATCATCATCATCATCAT 953
QY 3856 ggcgcgggttttagcagcgccgacntctcagacgacgacgacgacgacgacgac 3915
DB 952 GCCAACATGCTGTCGACATCATCGGTGCGCCGCTAACAGTTGGCAACCCCTGTTC 893
QY 3916 gtgcgtcattcagcattcagg 3937
DB 892 TTCATGCACTACTGATCATCATG 871

RESULT 40

US-08-399-646-3
Sequence 3, Application US/08399646
Patent No. 5556781

GENERAL INFORMATION:

APPLICANT: KUBOTA, Michio
APPLICANT: TSUSAKI, Keiji
APPLICANT: HATTORI, Kazuko
APPLICANT: SUGIMOTO, Toshiyuki
TITLE OF INVENTION: DNA ENCODING ENZYME, RECOMBINANT DNA AND
NUMBER OF SEQUENCES: 18
ADDRESS: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/399,646
FILING DATE: 07-MAR-1995
CLASSIFICATION: 435

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: JP 59834
FILING DATE: 07-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 59840
FILING DATE: 07-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: KUBOTA-5
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:
LENGTH: 1791 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1791

US-08-399-646-3

Query Match 0.9%; Score 37.8; DB 1; Length 1791;
Best Local Similarity 42.9%; Pred. No. 1.7;
Matches 168; Conservative 0; Mismatches 224; Indels 0; Gaps 0;

QY 3381 cgaacggaaaccggcgcgatcaccacgcgcctcccgccgcccgcgcgcgcgcgcgc 3440
DB 873 CGCGAGGTGGAGACGGCCGCTGACGCTCATCGCCGAGTCGAGCTCAACACCGCGGCT 932
QY 3441 ttgcccgaaccgagccccaaccgaacctcaaccgaaccgaaccgaaccgaaccga 3500
DB 933 GCTGTACCCGCGGAGCTCAACGCGGTACGGGTGGAAGGCGAGTGGAGACTTCCA 992
QY 3501 ccgtatgcgaatagcgttgatgaatttcgcgcgcgcgcgcgcgcgcgcgcgcgc 3560
DB 993 CCAGCCGTCACAGTCAACGCGGCAACCAACCGGCTCTACAGTGAATTCGACTC 1052
QY 3561 acagagcaattgagcgcgttttgccgaagacgcgcgcgcgcgcgcgcgcgcgcgc 3620
DB 1053 GCTGCCGCTTCGCGCAAGCTCTCGGACGCGCTTCTCCACGCGAGCTACTCCAG 1112
QY 3621 catccgnaac 3680
DB 1113 CTTCCGGGAACCGCACACGAGCGGCCGCTTATTTTACGCGCGGTACACCGCCCT 1172
QY 3681 cctgcgcaaatcggatgcagaaacacacacacacacacacacacacacacacacac 3740
DB 1173 GGTGCTGCTTTCGCAAGACACGACAGATCGCAACCGTGGACAGGGGAGCGCTCTC 1232
QY 3741 gcacaacggagcagcaaacacacacacacacacacacacacacacacacacacac 3772
DB 1233 CCAGACCTTCCGTACGGAAGCTGCGCTCG 1264

RESULT 41

US-08-607-321-3
Sequence 3, Application US/08607321
Patent No. 5716813

GENERAL INFORMATION:

APPLICANT: KUBOTA, Michio
APPLICANT: TSUSAKI, Keiji
APPLICANT: HATTORI, Kazuko
APPLICANT: SUGIMOTO, Toshiyuki
TITLE OF INVENTION: DNA ENCODING ENZYME, RECOMBINANT DNA AND
NUMBER OF SEQUENCES: 18
ADDRESS: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

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OY 3381 cgaagcggaaccgcgcgntatccacgcgcttccccgcgcgcgmgcgccgcgcgga 3440
Db 873 CGCGGAGGTGGGAGGGCCGCTGACGCTCAATGCCGAGTCGCACTCAACMACCCGCGCT 932
OY 3441 ttgcgcaaccgcagccccaaccgcgaacctcaaccccaaccgcagcgagactgtnag 3500
Db 933 GCTGTACCCGCGGGAGCTCAACGGGTACGGGCGTGGAAAGGGCAGTGAGAGCACTTCCA 992
OY 3501 ccggtatgccaatagcgggttggatgaaatttcgcgcaacgctcaacagcggtttgcgcg 3560
Db 993 CCAGCGCGTCCACGCTCAACGCTCAACCGCGGAAACACCGGCTACTCAAGACTTGGACTC 1052
OY 3561 acagagagaatttgcgcgcggttttgcggaagacgcgcgcaacgcmgtttgacaangc 3620
Db 1053 GCTGGCGGCTCCCAAGGTGCTCGGGAGCGGCTTTTCCACAGACGAGCTACTCCAG 1112
OY 3621 catcggnacacaaactacacggttcgcagaatttcgcgcgcttaccgcgaacaaacga 3680
Db 1113 CTTCGGGGAACGCCACACGAGCGGCGGATTAATTTTACGCGCGTACACCACCGCGCCT 1172
OY 3681 cctgcgcgaatcgggtatgcagaaaaccctgcgcgagcgggcgcggtcggatcctgttc 3740
Db 1173 GGTGCTCTGTTCCGAGAACCAACGACCGCATGTGGCAACGTCGCCACGGGGACCGCTTC 1232
OY 3741 gcacaaccgcagcgaaaacanttcgcagcagc 3772
Db 1233 CCAGACCTGCCGTACGGAACCTGGGCGCTCG 1264

RESULT 42
US-08-961-240-3
; Sequence 3, Application US/08961240
; Patent No. 5830715
; GENERAL INFORMATION:
; APPLICANT: KUBOTA, Michio
; APPLICANT: TSUSAKI, Keiji

```

[illegible]

Db 640 GACGGGAGGACGGGGAGGACCGGAGCGAGACGGGAGAGACGAGGACCGGGAG 581
3310 ggcattatgcaggcgaggaagaagaaaaaacggtgcgcagcgcatlaagacagcgcntg 3369
580 GACGGGAGGACGGGGAGGACGACGAGCAGCGGGAGGAGCAGCGGAGGACGACGAGGACCGG 521

